Curriculum Overview Term 2 - Year 5

English: This term, we will continue with our writing text **Hidden Figures by Margot Lee Shetterly** and illustrated by Laura Freeman in which children learn about the achievements and determination of four iconic women at key moments in American and world history. The text provides an inspiring backdrop for children to write for a range of purposes and for different formal and informal contexts, including a job advertisement, formal and informal letters and a diary.

During our reading lessons, we will continue to explore the text **Cosmic; it's one giant leap for boykind by Frank Cottrell-Boyce** where we will follow the antics of Liam Digby, an ordinary twelve-year-old that has a cosmic adventure! In addition, we will make links to our writing text by exploring Bright Stars of Black British History by J.T. Williams.

We will continue to focus and develop our VIPERS skills (Vocabulary, Inference, Predict, Explain, Retrieve and Sequence/Summarise) in our reading. We will learn how to identify key words and phrases when answering questions, and how to use dictionaries and thesauruses to deepen our understanding of ambitious vocabulary.

Spelling:

Week 1 - Words with silent letters.

Week 2 - Words with silent letters.

Week 3 - Modal verbs.

Week 4 - Words ending in 'ment'.

Week 5 - Adverbs of possibility and frequency.

Week 6 - Statutory Spelling Challenge Words.

Maths:

Addition and Subtraction

In mathematics this term, the children will continue to revisit and embed place value, then progress to addition and subtraction.
In Year 5 Addition and Subtraction, children build upon previous learning of formal written methods. Children will add four-digit numbers where one exchange is required. Children will then progress to adding numbers with up to six digits with multiple exchanges. They will revisit comparisons of numbers, using estimation, approximation and rounding to help add and subtract mentally.
Children will then focus on subtracting four-digit numbers with one exchange before subtracting numbers with up to six digits with multiple exchanges. As children develop their number fluency, they will use inverse operations to calculate and, by the end of the unit, will be able to solve multi-step mathematical problems in the context of addition and subtraction.

Computing:

Data Handling: Mars Rover 2

In the Computing unit Mars Rover 2, the children will develop their understanding of how computers use data and instructions to control devices. They explore how a Mars Rover can collect and transmit information, use binary and sequences of commands, and consider the challenges of communicating over long distances. The unit helps children build skills in computational thinking, data handling and understanding how technology is used in space exploration.

RE: Why doesn't Christianity always look the same?

The children explore the diversity within Christianity, investigating how the religion began, spread and developed over time. They learn why different Christian denominations emerged and consider how beliefs, Bible interpretations, worship and practices can vary between Christian communities. Through discussion, stories, scripture and examples of lived experience, pupils compare different expressions of Christianity and develop respect for the range of beliefs and practices found within the Christian faith.

RSE & PSHE: Why are healthy relationships important?

During the term the children will learn about the qualities of positive and healthy relationships. They will explore trust, respect, communication, boundaries and how to manage disagreements in a constructive way. The sequence of learning helps children understand how healthy relationships support wellbeing, and how to recognise when a relationship may be unhealthy.

French: Space exploration in French

Throughout the term children will continue to learn and use French vocabulary related to space, planets, and space exploration. They will develop their speaking, listening, reading and writing skills by describing space-themed objects and events using simple sentences.

History

What was life like in Tudor England?

Children will investigate life in Tudor England, exploring the power and influence of monarchs such as Henry VIII and Elizabeth I alongside the experiences of ordinary people. Through analysing portraits, written accounts, royal progresses and inventories, pupils develop their historical enquiry skills, considering the reliability of sources and how evidence can be used to interpret the past. They explore themes of monarchy, power, propaganda, wealth and social status, building an understanding of how life differed across Tudor society.

Later in the term, we will visit Knole Park and House to take part in Tudor workshops including italics, costumes and artefact handling.

PE: Hockey & Lacrosse

PE will continue to be covered by our professional coaches, in order to deliver high-quality physical activity.
On Tuesday and Wednesday afternoons, the children will focus on hockey and lacrosse, using tactical play, possession and teamwork.

Art: Retro-Futurism

Throughout our Art lessons this term the children will continue to work towards producing a retro-futurism inspired mixed media futuristic piece of a view in Space. Each lesson will introduce the children to different techniques to create their own image.

Retro- futurism is defined as the pasts view of the future, and was heavily influenced by the moon landings, the Space Race, and space exploration.

DT:

Cooking and Nutrition: Developing a Recipe

In this unit, children explore how recipes can be adapted to create a balanced and appealing dish. They learn about ingredients, nutrition and seasonality before developing their own recipe. Pupils practise key food preparation skills, make informed choices and follow safe, hygienic procedures. They then prepare a bolognese sauce and evaluate their final dish, considering taste, texture and appearance.

Science:

Materials: Mixtures and Separation

The children will explore the properties of materials and investigate how mixtures can be separated. They learn that some substances dissolve in liquids to form solutions and distinguish between soluble and insoluble materials. Through practical investigations, pupils explore dissolving and consider factors that affect its speed, including temperature and stirring. The children also develop their understanding of separation techniques such as sieving, filtering and evaporation, learning how to choose the most suitable method for different mixtures. They investigate how dissolved substances can be recovered from solutions through evaporation and consider examples of these processes in everyday life.
Throughout the unit, pupils develop their working scientifically skills by planning fair tests, controlling variables, making careful observations and measurements, recording results and using evidence to draw conclusions.